MULTIMEDIA UNIVERSITY

STUDENT ID NO

MULTIMEDIA UNIVERSITY

FINAL EXAMINATION

TRIMESTER 3, 2017/2018

PCG0023 – COMPUTER GRAPHICS 2

(All sections / Groups)

31 MAY 2018
2.30 p.m. – 4.30 p.m.
(2 Hours)

INSTRUCTIONS TO STUDENTS

1. This question paper consists of 3 pages including this cover page with 6 questions only.

2. Answer any **FOUR** out of the SIX questions. All questions carry equal marks and the distribution of the marks for each question is given.

3. Please write ALL your answers in the Answer Booklet provided.

Answer any **FOUR** out of the SIX questions.

Question 1

There are two types of digital data compression; Lossless and Lossy.
Explain the differences between lossless and lossy type of image formats.
Please provide an example of lossless type of image format and lossy type of image format

[10 marks]

Question 2

a. Explain the differences between raster image and vector image [7 marks]

b. Name 3 major Graphic file formats [3 marks]

Question 3

RAW is a file format that captures all image data recorded by the sensor when you take a photo; No information is compressed with RAW file format. Explain the advantages of RAW image

[10 marks]

Question 4

a. Explain these terms pixel in digital imaging [4 marks]

b. Explain image resolution [4 marks]

c. What is DPI and PPI? [2 marks]

Continued ...

Question 5

Identify which of the following are LOSSY or LOSSLESS file formats:
(Please provide your answers in your **ANSWER BOOKLET**)

a. RAW :
b. JPEG :
c. GIFF :
d. BMP :
e. PNG :

[10 marks]

Question 6

Fill in the blanks. Please provide your answers in your **ANSWER BOOKLET**

a. Specified the recommended resolution for an image to be placed into a website

b. Specified the recommended resolution for a printed material such as flyers and brochures:

c. Specify which colour model is ideal for printing

d. Specify which colour model is ideal for an electronic source – such as your computer's monitor

e. The default color mode of Photoshop is

[10 marks]

End of Page.